

Converting Colors

XYZ(33.8889, 36.6320, 14.3374)

Have a look what the booklet for
XYZ(33.8889, 36.6320, 14.3374)
contains.

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Color

**XYZ(33.8735, 36.7063,
14.3165)**

Conversions

Conversions Part 1

Format	Color
Hex	B5A357
RGB	181, 163, 87
RGB Percent	71%, 64%, 34%
CMY	0.2902, 0.3608, 0.6588
CMYK	0.00, 0.10, 0.52, 0.29
HSL	49°, 39%, 53%
HSV	49°, 52%, 71%
XYZ	33.8735, 36.7063, 14.3165
YIQ	159.7180, 35.1240, -19.8200

Conversions

Conversions Part 2

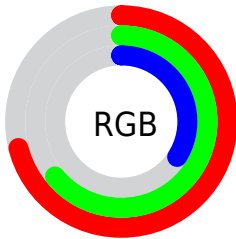
Format	Color
RYB	109, 181, 87
Decimal	11903831
CIELab	67.06, -3.51, 41.50
CIELCh	67, 41.648, 94.828
Yxy	36.7063, 0.3990, 0.4324
Android (android.graphics.Color)	4290093911 (0xFFB5A357)
YUV	159.7180, -35.8500, 18.6643
Hunter-Lab	60.5857, -6.2256, 28.3997

Details

The XYZ color **33.8735, 36.7063, 14.3165** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **17.3223, 15.4649, 45.7878**, and the grayscale version is **33.4330, 35.1741, 38.3046**.

A 20% lighter version of the original color is **65.3282, 70.3576, 34.5633**, and **14.7482, 16.1639, 4.1764** is the 20% darker color. If you saturate the color by 10%, you get **32.6183, 35.2346, 10.6961**, and if you desaturate by 10%, it is **35.3328, 38.2893, 18.9204**.

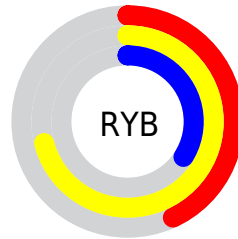
Distribution



Red (71%)

Green (64%)

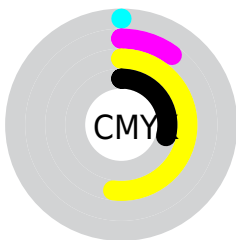
Blue (34%)



Red (43%)

Yellow (71%)

Blue (34%)

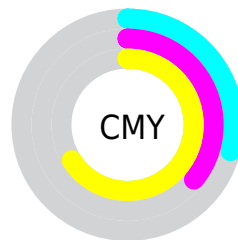


Cyan (0%)

Magenta (10%)

Yellow (52%)

Black (29%)



Cyan (29%)

Magenta (36%)

Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.8735, 36.7063, 14.3165 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 33.8735, 36.7063, 14.3165 by changing the saturation by 10% instead.

■ 33.8735, 36.7063,
14.3165

■ 33.8735, 36.7063,
14.3165

311.1635,
332.0372, 230.6875

■ 22.9589, 24.9802,
8.1999

■ 65.0825, 70.1208,
34.3747

■ 14.6837, 16.0623,
4.1335

■ 86.1076, 92.5780,
49.1534

■ 8.6825, 9.5682,
1.6989

■ 111.2335,
119.3811, 67.6565

■ 4.5901, 5.1136,
0.3600

■ 140.8257,
150.9143, 90.3026

■ 2.0411, 2.3141,
0.0000

■ 175.2494,
187.5621, 117.5102

■ 0.6569, 0.7812,
0.0000

214.8700,

■ 0.0000, 0.0000,

229.7090, 149.6979

0.0000

260.0529,
277.7392, 187.2841

■ 33.8735, 36.7063,
14.3165

■ 33.8735, 36.7063,
14.3165

■ 32.6183, 35.2346,
10.6961

■ 35.3328, 38.2893,
18.9204

■ 31.5502, 33.8631,
7.9825

■ 37.0062, 39.9839,
24.5725

■ 30.6538, 32.5869,
6.0913

■ 38.9065, 41.7965,
31.3342

■ 29.9098, 31.3979,
4.9212

■ 41.0443, 43.7318,
39.2618

■ 29.3888, 30.4895,
4.3361

■ 43.4297, 45.7939,
48.4078

■ 46.0723, 47.9868,
58.8213

■ 48.9809, 50.3144,
70.5488

■ 52.1640, 52.7802,
83.6345

■ 55.6298, 55.3876,
98.1204

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



40.3277, 36.7063, 15.9854



33.8735, 36.7063, 14.3165



28.3861, 36.7063, 17.6320

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



33.8735, 36.7063, 14.3165



25.8173, 36.7063, 63.3734



47.1089, 36.7063, 56.7096

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



33.8735, 36.7063, 14.3165



17.3223, 15.4649, 45.7878

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



42.3144, 36.7063, 75.9696



33.8735, 36.7063, 14.3165



29.9613, 36.7063, 80.5625

Square

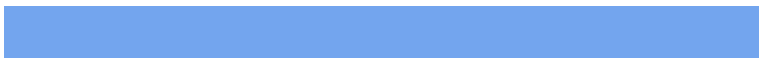
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



33.8735, 36.7063, 14.3165



24.1075, 36.7063, 42.9741



35.9230, 36.7063, 85.7573



48.4819, 36.7063, 37.1034

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



33.8735, 36.7063, 14.3165



25.8517, 36.7063, 23.0571



35.9230, 36.7063, 85.7573



45.8177, 36.7063, 63.6073

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



33.8744, 36.7080, 14.3172



71.7970, 76.7934, 63.9003



25.0555, 17.6769, 15.6730



15.3515, 16.4469, 13.1950



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



33.8744, 36.7080, 14.3172



58.1921, 62.8252, 18.5432



31.3433, 40.4885, 15.1804



9.0561, 9.6246, 9.0330



20.3083, 21.1152, 3.0053



0.6745, 0.7355, 0.1064

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



17.3223, 15.4649, 45.7878



25.4321, 20.8271, 80.9742



18.8455, 13.8114, 45.3883



8.1693, 8.4848, 10.7135



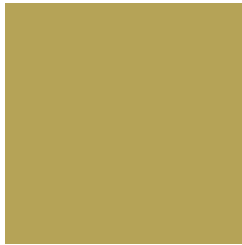
6.1963, 3.1929, 30.4267



0.2339, 0.1783, 0.9703

Previews

White Background



This preview shows how the XYZ color 33.8735, 36.7063, 14.3165 looks on a white background.

Color Contrast Check

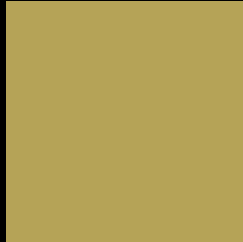
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 33.8735, 36.7063, 14.3165 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.8735, 36.7063, 14.3165

Background



This preview shows how black text looks on a background with the XYZ color 33.8735, 36.7063, 14.3165.



This preview shows how white text looks on a background with the XYZ color 33.8735, 36.7063,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

33.8735, 36.7063, 14.3165

Protanopia

33.6399, 36.5858, 14.3056

Deuteranopia

37.5111, 36.7776, 14.5729



Tritanopia

39.4248, 36.6832, 41.0790

Trichromacy



Original Color

33.8735, 36.7063, 14.3165

Protanomaly

33.6399, 36.5858, 14.3056

Deuteranomaly

36.1519, 36.8383, 14.4376

Tritanomaly

36.8220, 36.3592, 28.7442

Monochromacy



Original Color

33.8735, 36.7063, 14.3165

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

33.1270, 35.5080, 27.2981

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.8735, 36.7063, 14.3165 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(181, 163, 87)` looks like.

```
.text, #text, p{  
    color:rgb(181, 163, 87)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(181, 163, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 163, 87) }
```

Border

The CSS property to change the border of an element to XYZ 33.8735, 36.7063, 14.3165 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(181, 163, 87) }
```


If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(181, 163, 87) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(181, 163, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 163, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 163, 87);  
box-shadow:4px 4px 4px 4px rgb(181, 163,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 33.8735, 36.7063, 14.3165 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 163, 87) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(181,  
163, 87) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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